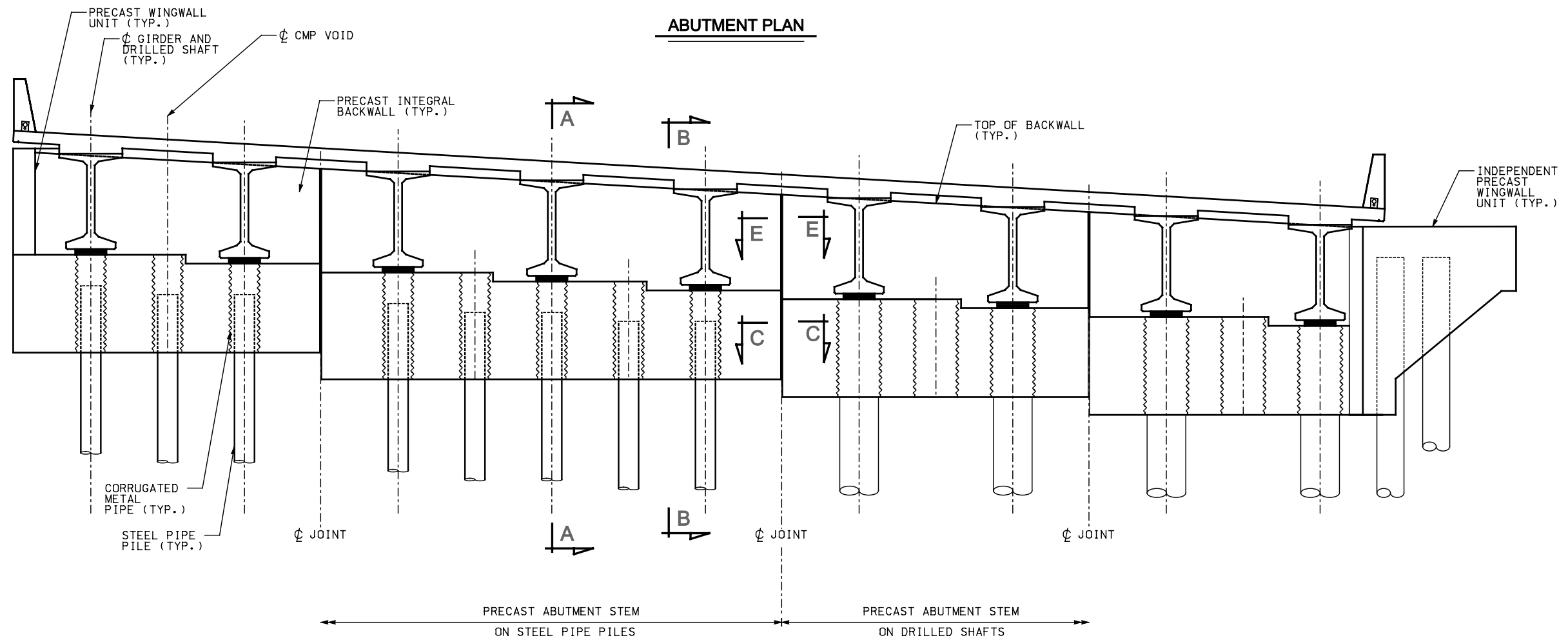


ABUTMENT PLAN



ABUTMENT ELEVATION

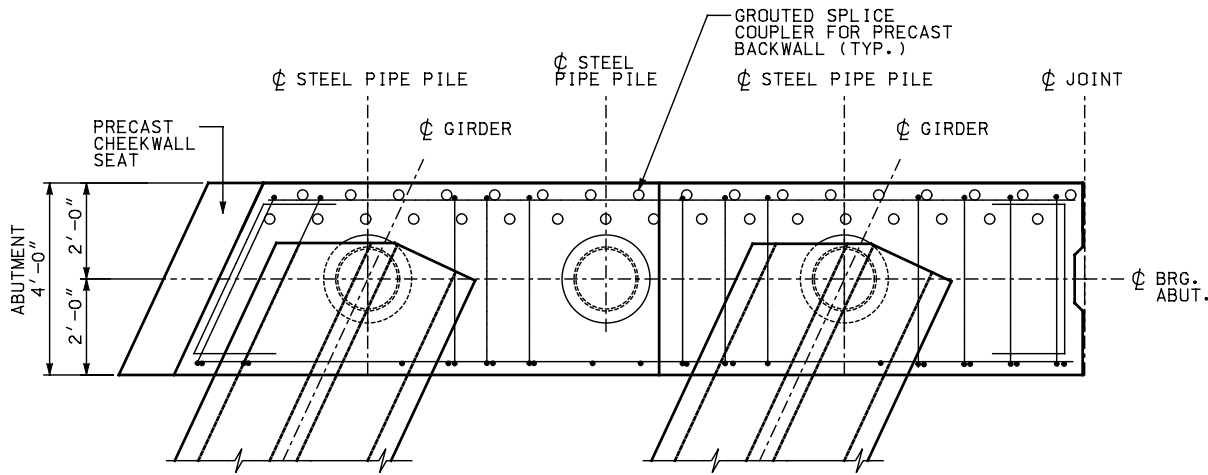
- NOTES:
1. ABUTMENT DIAPHRAGMS NOT SHOWN FOR CLARITY.
 2. DIFFERENT FOUNDATIONS ARE SHOWN TO DEPICT DIFFERENT DESIGNS. DO NOT COMBINE DIFFERENT FOUNDATIONS ON ANY ONE SUBSTRUCTURE ELEMENT UNLESS REQUIRED BY DESIGN.
 3. LARGER VOIDS MAY BE USED WITH PIPE PILES TO REDUCE WEIGHT.

		UTAH DEPARTMENT OF TRANSPORTATION									
		SALT LAKE CITY, UTAH									
		STRUCTURES DIVISION									
TYPICAL DETAIL SHEET		DESIGN		CHECK							
		DRAWN		CHECK							
		DATE		DATE		BY					
PRECAST INTEGRAL ABUTMENT		APPROVAL RECOMM.		SENIOR DESIGN ENGR.		NO.		DATE		REVISIONS	
PLAN AND ELEVATION		APPROVED FOR USE BY UDOT		UDOT BRIDGE ENGR.							
PROJECT NUMBER											
COUNTY											
IA - 1											
DRG. NO.											
SHT. OF											

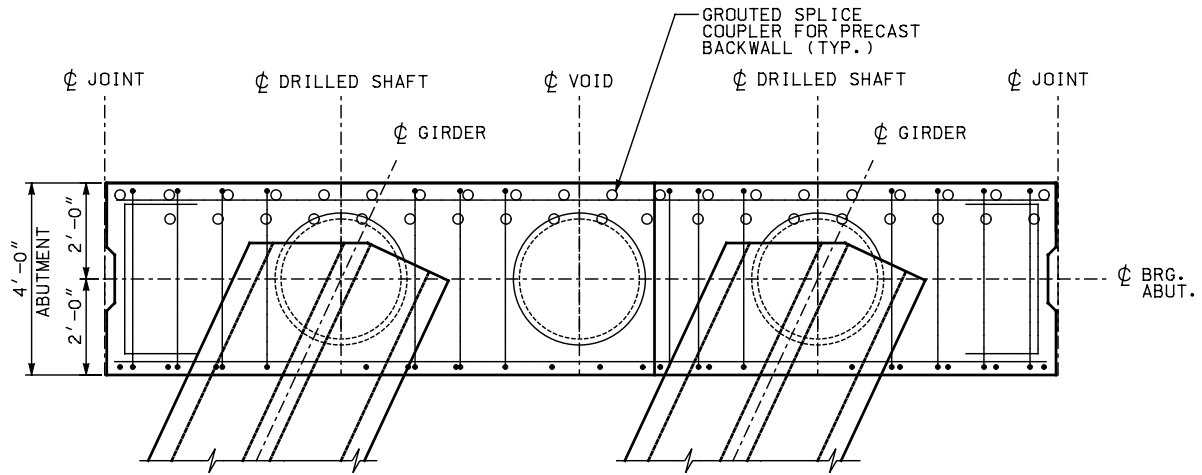


- NOTES:
1. ALL REINFORCING NOT SHOWN FOR CLARITY.
 2. PROVIDE TEMPORARY BRACING/SHORING UNTIL CONNECTION HAS ACHIEVED ADEQUATE STRENGTH.
 3. INSTALL DEEP FOUNDATION PRIOR TO SETTING WINGWALL ELEMENTS.

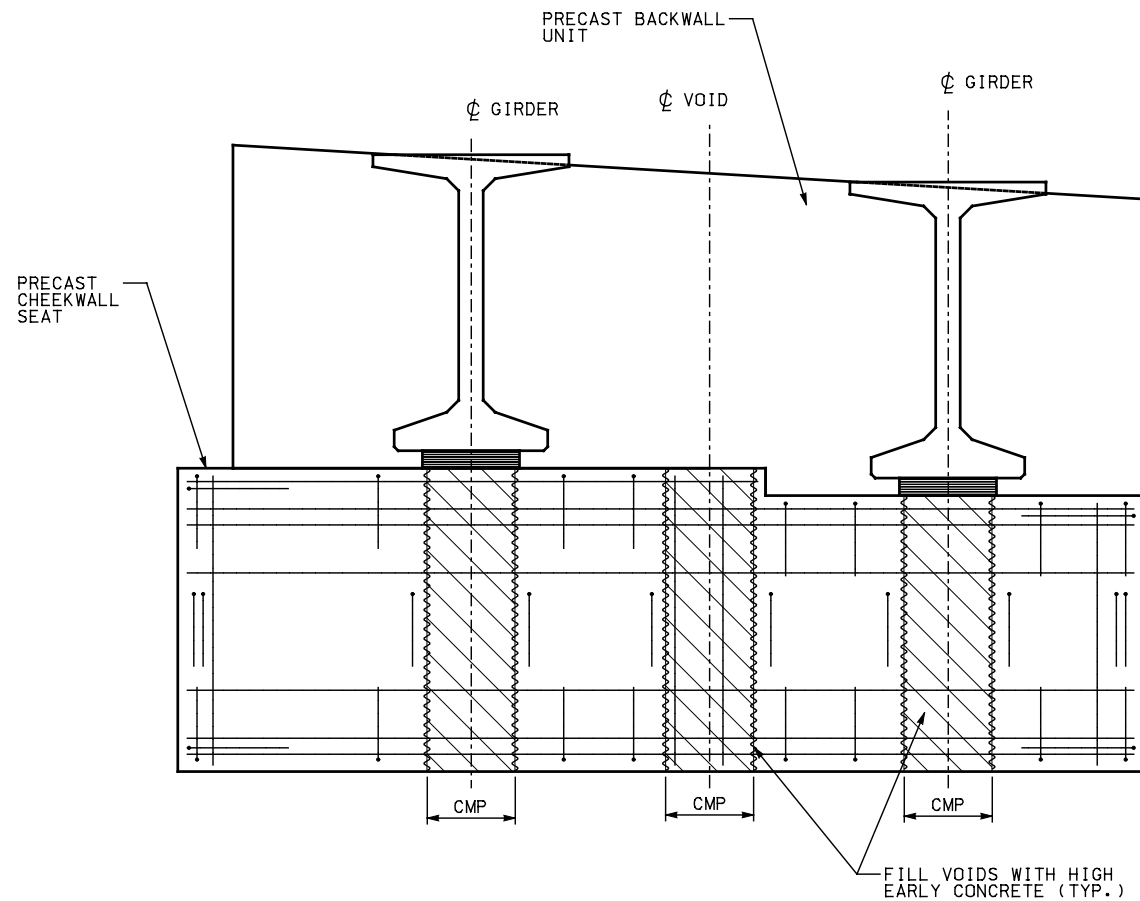
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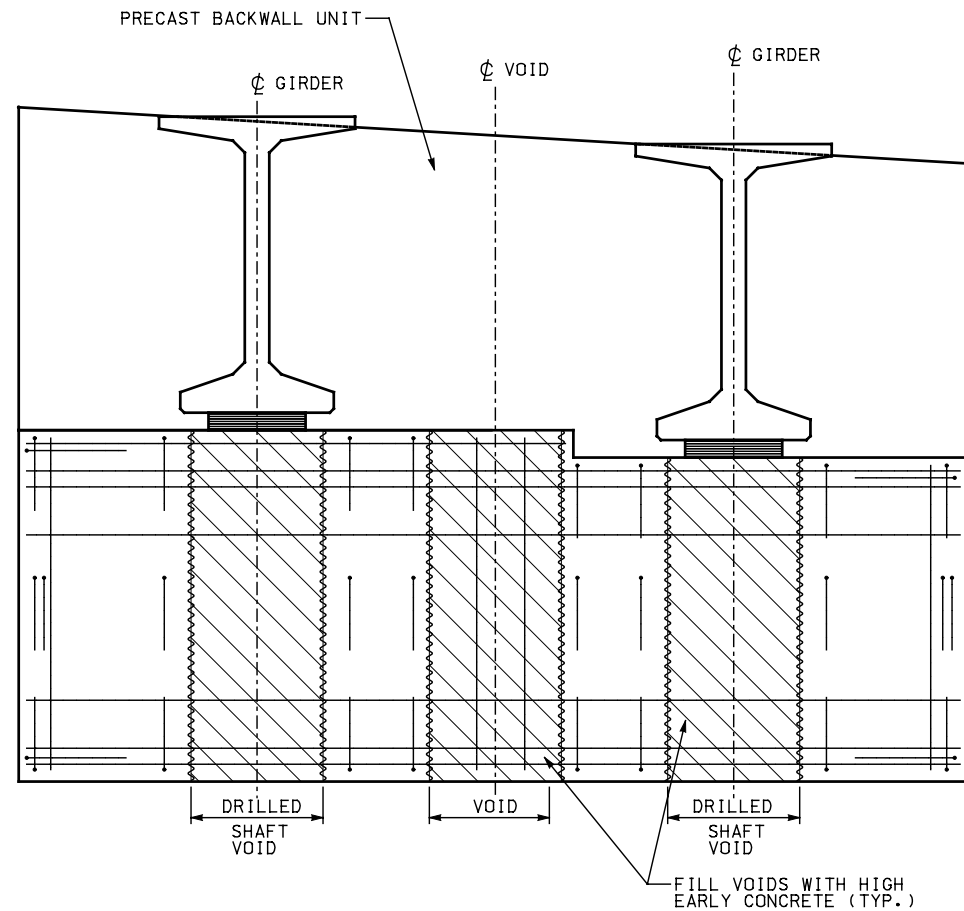
END ABUTMENT SEGMENT PLAN
WITH STEEL PIPE PILES



INTERIOR ABUTMENT SEGMENT PLAN
WITH DRILLED SHAFTS



END ABUTMENT SEGMENT ELEVATION
WITH STEEL PIPE PILES



INTERIOR ABUTMENT SEGMENT ELEVATION
WITH DRILLED SHAFTS

UTAH DEPARTMENT OF TRANSPORTATION
SALT LAKE CITY, UTAH
STRUCTURES DIVISION

TYPICAL DETAIL SHEET
PRECAST INTEGRAL ABUTMENT
ABUTMENT PLAN & ELEVATION DETAILS

COUNTY
IA - 3
DRG. NO.

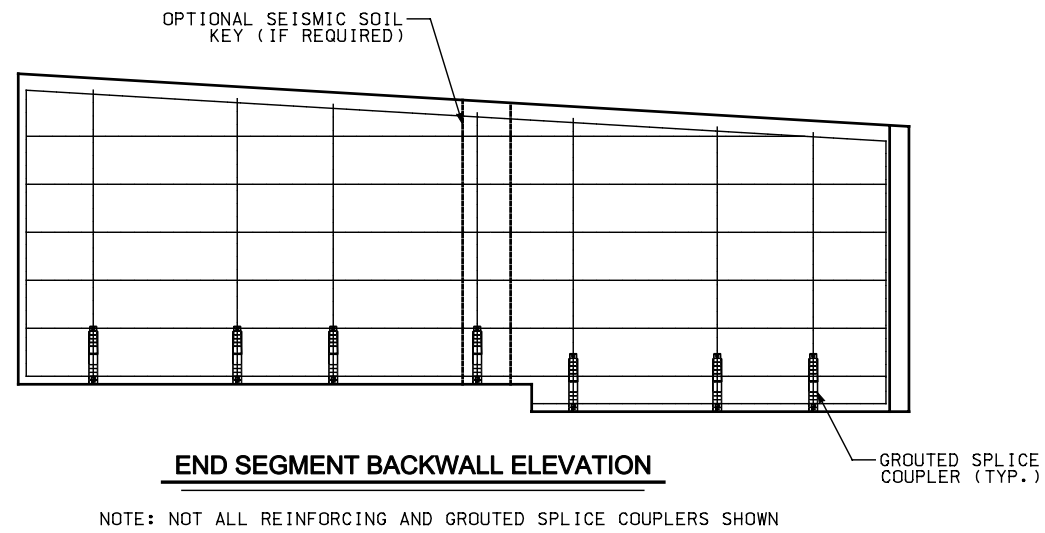
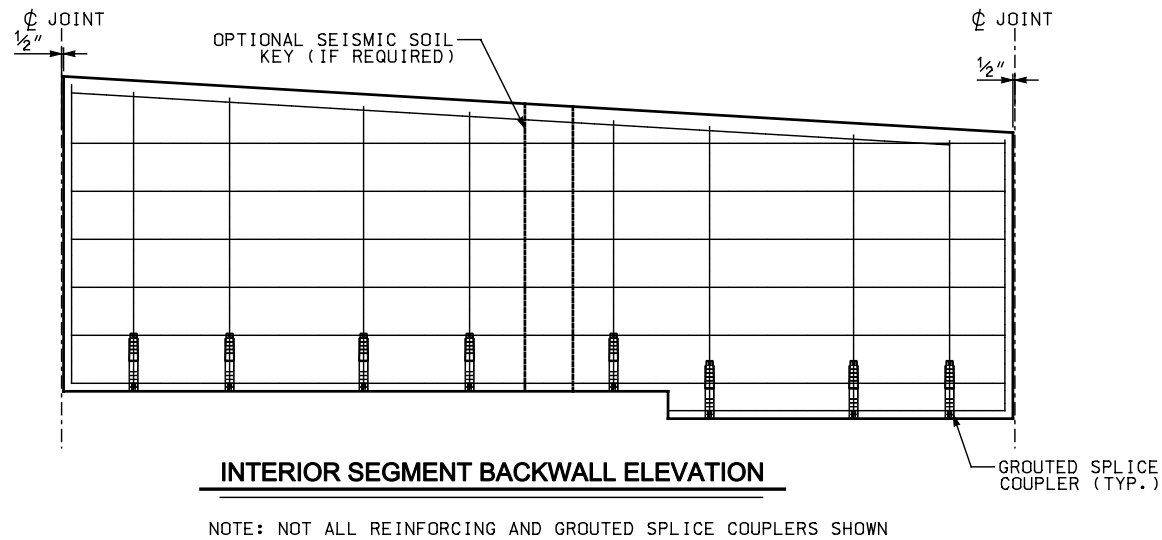
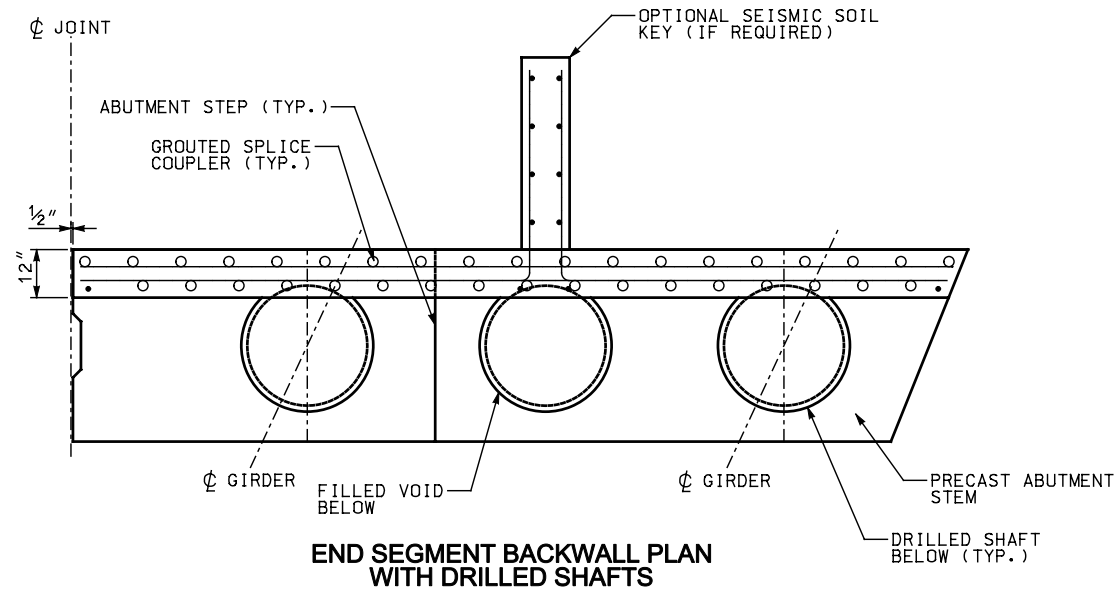
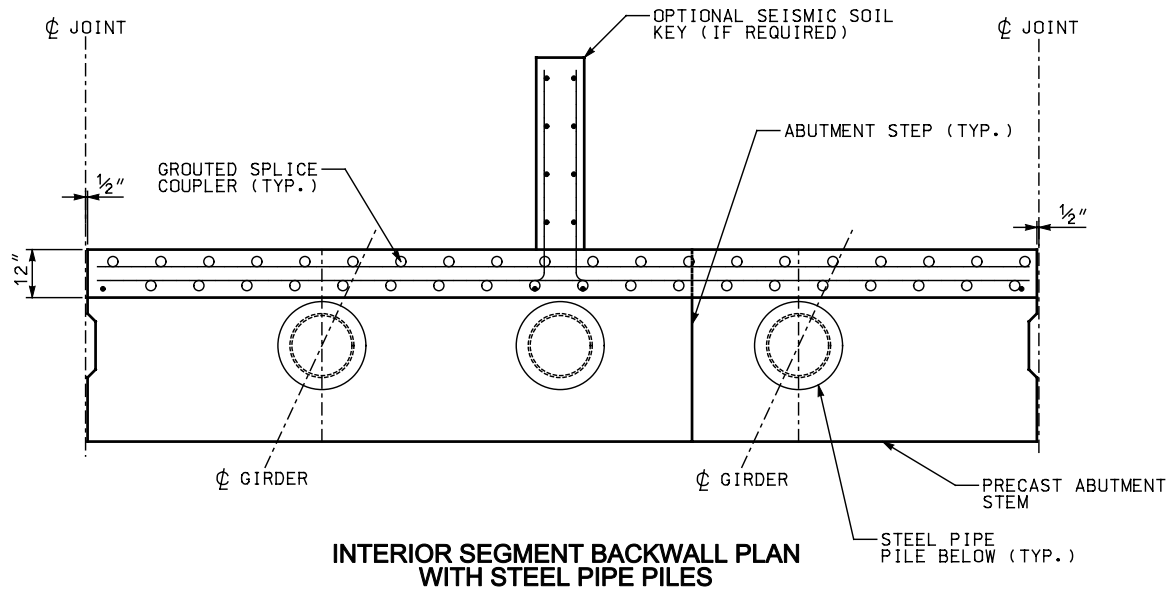
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DATE	DATE
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UDOT BRIDGE ENGR.	CHECK

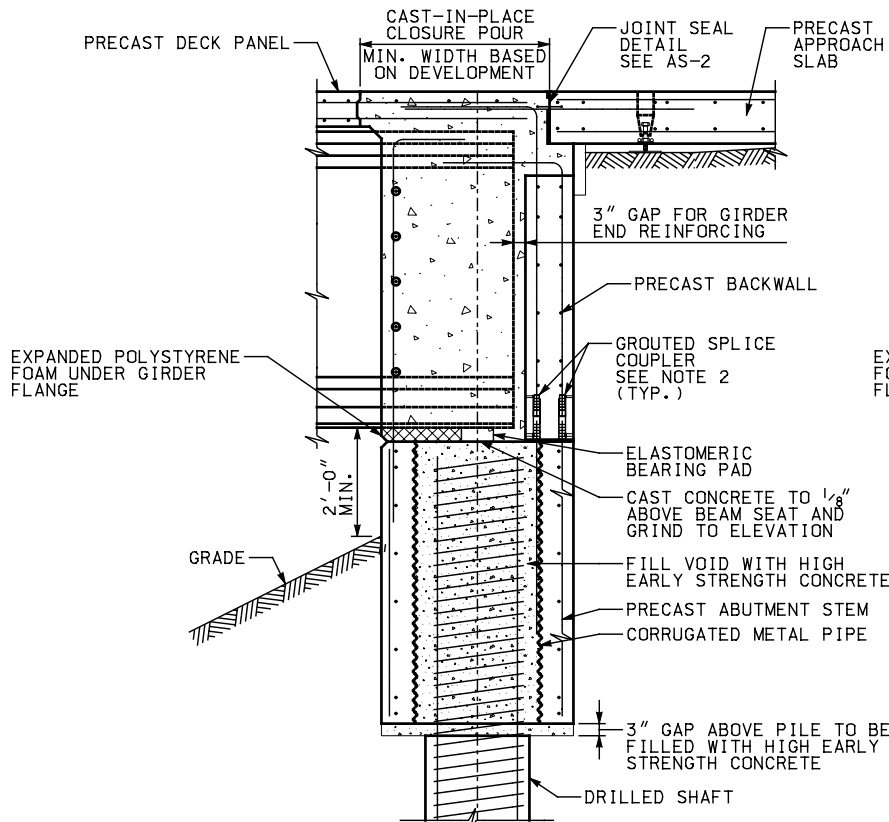
REVISIONS

NO. DATE BY

REMARKS

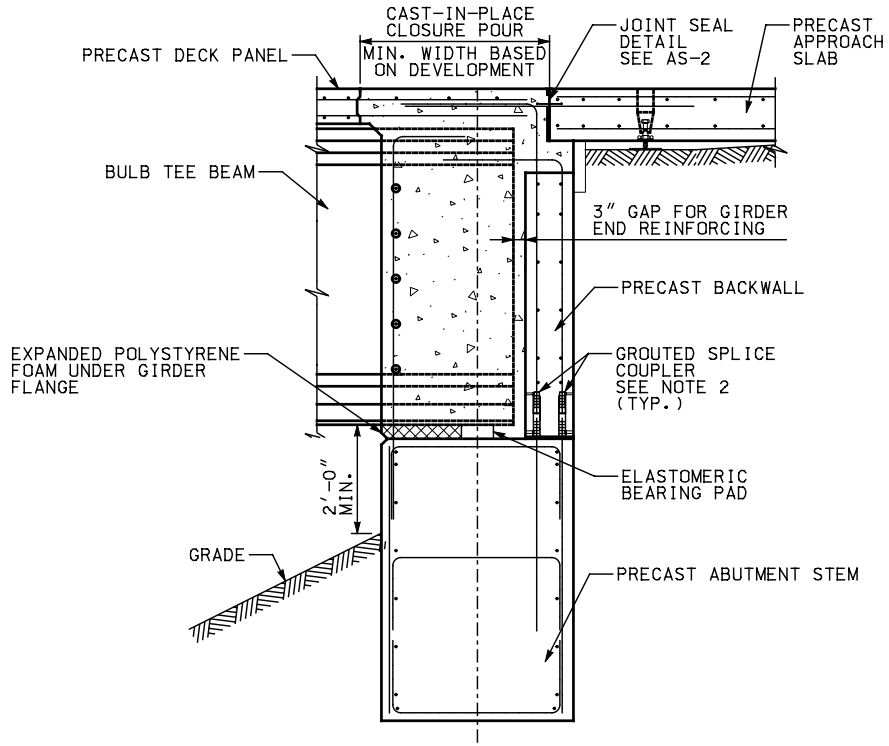


		UTAH DEPARTMENT OF TRANSPORTATION											
		SALT LAKE CITY, UTAH											
		STRUCTURES DIVISION											



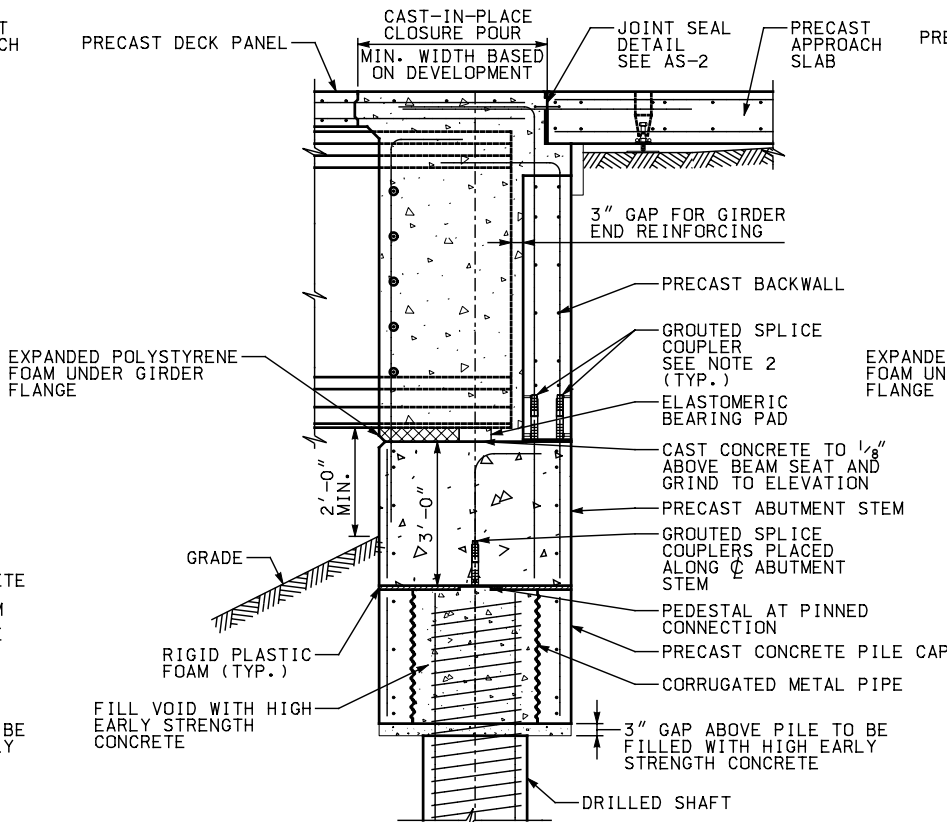
SECTION A: ABUTMENT

- NOTES: 1. ALL ABUTMENT REINFORCEMENT NOT SHOWN FOR CLARITY.
2. GROUDED SPLICE COUPLERS AT FRONT FACE OF BACKWALL ARE OPTIONAL.
3. MECHANICAL BAR SPLICERS MAY BE USED FOR BARS EXTENDING INTO CLOSURE POUR.
4. COST OF CLOSURE POUR PAID FOR IN THE COST OF THE PRECAST CONCRETE DECK PANELS.



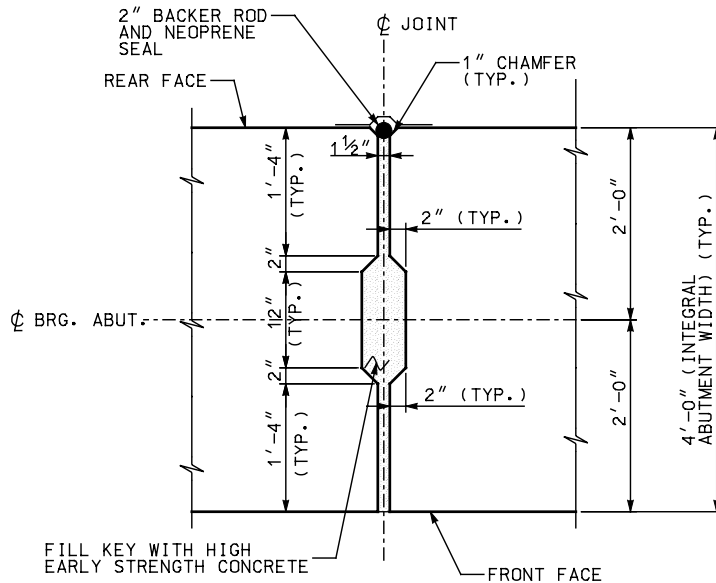
SECTION B: ABUTMENT

- NOTES: 1. ALL ABUTMENT REINFORCEMENT NOT SHOWN FOR CLARITY.
2. GROUDED SPLICE COUPLERS AT FRONT FACE OF BACKWALL ARE OPTIONAL.
3. MECHANICAL BAR SPLICERS MAY BE USED FOR BARS EXTENDING INTO CLOSURE POUR.
4. COST OF CLOSURE POUR PAID FOR IN THE COST OF THE PRECAST CONCRETE DECK PANELS.



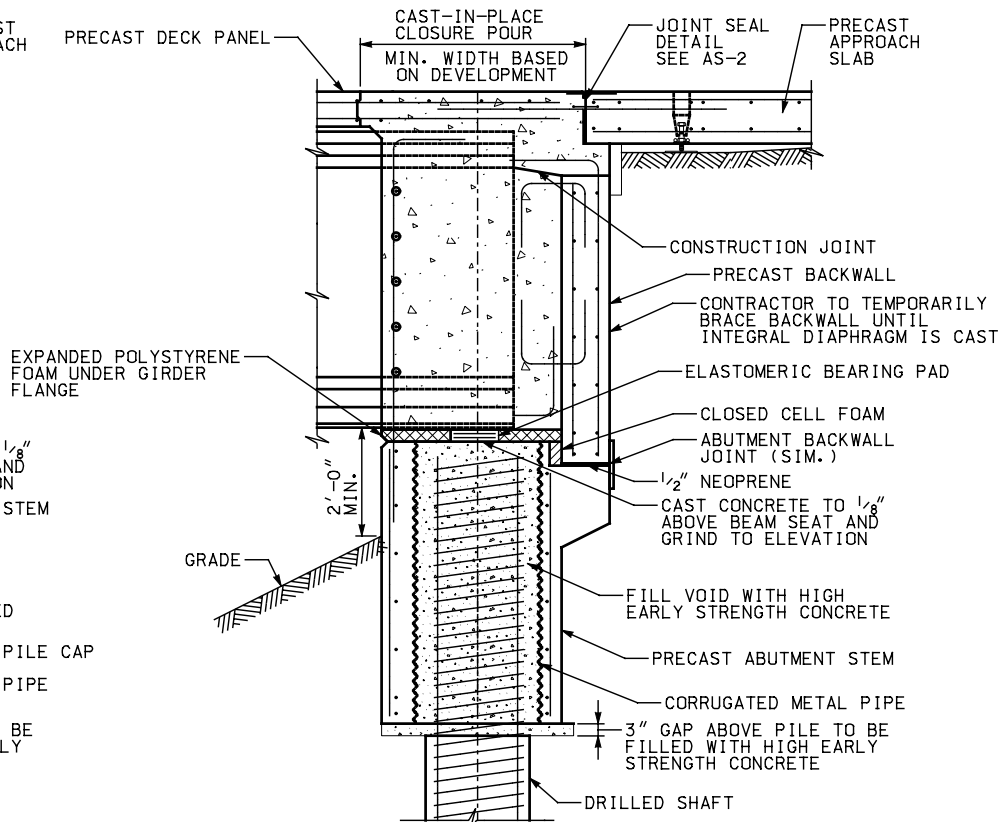
SECTION A: ABUTMENT PINNED CONNECTION

- NOTES: 1. ALL ABUTMENT REINFORCEMENT NOT SHOWN FOR CLARITY.
2. GROUDED SPLICE COUPLERS AT FRONT FACE OF BACKWALL ARE OPTIONAL.
3. MECHANICAL BAR SPLICERS MAY BE USED FOR BARS EXTENDING INTO CLOSURE POUR.
4. FOR DETAILS OF PINNED CONNECTIONS, SEE DETAILS SHEET P-6.
5. COST OF CLOSURE POUR PAID FOR IN THE COST OF THE PRECAST CONCRETE DECK PANELS.



SECTION C: ABUTMENT STEM SHEAR KEY

- NOTES: 1. ABUTMENT REINFORCEMENT NOT SHOWN FOR CLARITY
2. CONTRACTOR TO DESIGN FORM TO RETAIN KEY CONCRETE

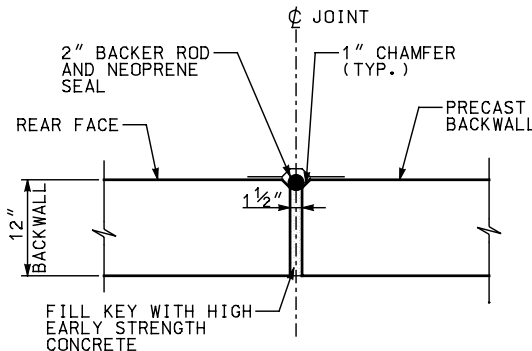


SECTION A: ABUTMENT SEMI-INTEGRAL

- NOTES: 1. ALL ABUTMENT REINFORCEMENT NOT SHOWN FOR CLARITY.
2. MECHANICAL BAR SPLICERS MAY BE USED FOR BARS EXTENDING INTO CLOSURE POUR.
3. COST OF CLOSURE POUR PAID FOR IN THE COST OF THE PRECAST CONCRETE DECK PANELS.

SEQUENCE OF CONSTRUCTION:

1. INSTALL ABUTMENT STEM AND CAST CONCRETE IN PILE BLOCKOUT.
2. ERECT GIRDERS AND BACKWALL. BRACE BACKWALL.
3. CAST ABUTMENT DIAPHRAGM FROM BEAM SEAT TO TOP OF BACKWALL.
4. PLACE FILL BEHIND BACKWALL.
5. INSTALL APPROACH SLAB AND PLACE CLOSURE POUR.



SECTION E: ABUTMENT BACKWALL JOINTS

UTAH DEPARTMENT OF TRANSPORTATION SALT LAKE CITY, UTAH STRUCTURES DIVISION				REVISIONS	
DESIGN		CHECK		BY	
DATE		DATE		NO.	
APPROVAL		APPROVAL		APPROVAL	
RECOMM.		RECOMM.		RECOMM.	
DATE		DATE		DATE	
APPROVED FOR USE		APPROVED FOR USE		APPROVED FOR USE	
BY UDOT		BY UDOT		BY UDOT	
PROJECT NUMBER		PROJECT NUMBER		PROJECT NUMBER	
COUNTY		COUNTY		COUNTY	
IA - 5		IA - 5		IA - 5	
DRG. NO.		DRG. NO.		DRG. NO.	
SHT. OF		SHT. OF		SHT. OF	